



SUSTAINABILITY GUIDE

January 2023



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The race to net-zero is on, and businesses across the UK are all working to reduce climate changing emissions. The aim is to decarbonise all sectors of the economy including construction, transport, and events industries.

Here at Oxford plastics, we have a range of innovative products designed with reducing carbon emissions in mind. It's important to us that our products are as eco-friendly as possible.

And since 2021 we have been focusing on the “right to repair” our products. By creating repairable, site safety equipment we're able to extend the life of our products from cradle to grave.



Emissions



Repairable



ECO-FRIENDLY BARRIERS

AVALON® CHAPTER 8 BARRIER

Our Avalon® Chapter 8 Barriers are designed to be versatile, modular and easy to repair. They have an embodied carbon footprint of 0.028 tCO₂e with standard feet or 0.026 tCO₂e with ClearPath Extra Feet.

Our Avalon® Chapter 8 Barrier is a sustainable alternative to other plastic temporary barriers because:

▶ **The right product for the right job:**

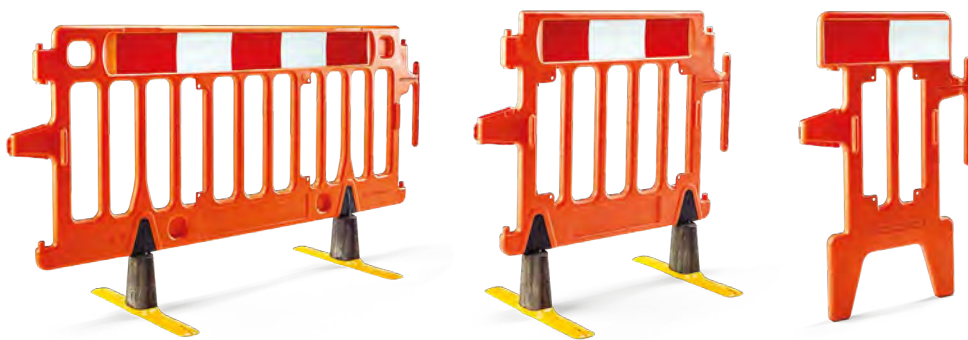
Our products are known for being versatile and our Avalon® Chapter 8 Barrier is no exception. It's suitable for multiple jobs as it can be easily modified with interchangeable feet and multiple ballast options. Meaning, only one type of barrier is needed for all your fencing needs.

▶ **Right to repair:**

Our Avalon® Chapter 8 Barrier has been innovated with a right to repair, extending the life of your barrier. Reflective strips, barrier feet and spare spigots are all available meaning you don't need to replace the whole barrier when one part is no longer fit for purpose.

▶ **We can recycle for you:**

At the end of life, you can return the Avalon® Chapter 8 Barrier to us and we'll recycle it where possible, so the materials can go back into our closed-loop manufacturing process. In cases where we can't recycle, we can recover the materials for energy.



Explore our range of barriers now. Or, for more information on how we calculate the embodied carbon for our products, or any other enquiries contact our helpful team today.





ECO-FRIENDLY TRENCH COVERS

LOWPRO 12/8

The LowPro 12/8 is designed to be durable, flexible and compact. The yellow footway board weighs just 17Kg and has an embodied carbon footprint of 0.126 tCO₂e and can handle up to 400kg of weight over a 700mm trench. The infill strips have an embodied carbon footprint of 0.004 tCO₂e for the short side and 0.006 tCO₂e for the long side.

Similarly, the LowPro 15/10 is a modular trench cover system built to withstand loads of 3.5T over a 900mm trench. The individual boards have an embodied carbon footprint of 0.0786 tCO₂e and the short and long infill segments have an embodied carbon footprint of 0.0059 and 0.0074 tCO₂e respectively.

Some of the ways the LowPro 12/8 or LowPro 15/10 can help reduce carbon emissions include;

- ▶ **Lightweight:** Both trench covers are compact and lightweight. If your site requires a trench covering across a wide area, transporting multiple covers can easily be done in one go rather than over multiple trips. They can also be transported with other equipment in a small works vehicle.
- ▶ **Durable:** These trench covers are built to last as they are designed to withstand the weight of up to 400Kg for the LowPro 12/8 and 3.5T for the LowPro 15/10, with a minimum of 2:1 safety factor. The reinforced edges are also strong enough to cope with even rough site handling.
- ▶ **No need to bolt into place:** This trench cover's edges are able to grip asphalt, saving time and energy as there is no need for machinery to fit these.



Explore our full range of road plates and trench covers available including the LowPro 11/11 trench cover. Or, for more information on how we calculate the embodied carbon for our products, or any other enquiries contact our helpful team today.





ECO-FRIENDLY ROAD PLATES

LOWPRO 15/05 & LOWPRO 23/05

The LowPro 15/05 and LowPro 23/05 are designed as sustainable alternatives to steel road plates. With an embodied carbon footprint of 0.0902 tCO₂e for the inner 15/05 road plate and 0.0335 tCO₂e for the end plate. The LowPro 23/05 has an embodied carbon footprint of 0.1056 and 0.067 tCO₂e for the inner and end plates respectively.

Our road plates are built easy to use, durable and lightweight. Some of the ways they can help reduce your carbon footprint include;

- ▶ **79% less carbon than steel plates:**
The LowPro 23/05 has an impressive 79% less embodied carbon in comparison to steel alternatives.
- ▶ **Easy to install:**
No need for carbon heavy machinery to help install our road plates. These products can be easily installed by hand in just 10 minutes.
- ▶ **Light and compact:**
Our road plates can fit easily into the back of a van, reducing the need for heavy lifting, and transporting vehicles.



Discover our full range of road plates here including all technical and compliance information. Or, for more information on how we calculate the embodied carbon for our products, or any other enquiries contact our helpful team today.





ECO-FRIENDLY SIGNAGE

ENDURASIGN

The EnduraSign QuickFit Frame is ideal for use with temporary road signs to help manage both traffic and pedestrians. The frame itself weighs 3.3Kg and has an embodied carbon footprint of 0.0092 tCO₂e. A pack of 4 DropLocks have the embodied carbon footprint of 0.0003 tCO₂e and a 10Kg ballast weight for wind resistance has an embodied carbon footprint of 0.0240 tCO₂e.

The EnduraSign QuickFit Frame and ballasts are a sustainable alternative to individual signage plates for many reasons including;

- ▶ **Reduces single use, single purpose items:**
Our ballasts are made from recycled plastic and are a great alternative to single use sandbags. Also, our Quick Fit frames can be used with various signage which reduces the need for single purpose signs.
- ▶ **Durable:**
The QuickFit frame is made from durable crack resistant plastic, so even if your sign gets driven over, it should still be usable.
- ▶ **Closed loop manufactured:**
Not only is the EnduraSign made from 100% recycled plastic, at the end of its life it can be returned to us so we can recycle it and reuse the materials in more of our products.



Here at Oxford Plastics, we're serious about our commitment to sustainability. Read our helpful guide explaining top tips for sustainability and get clarity on some of the terms we use when talking about sustainability. If find you'd like to find out more about any of our products talk to a member of our helpful team today.



